

## ABSTRACT

The invention constitutes of a A system for detachable joining of beams with square and/or rectangular cross-section. The system comprises for respective each beams, two or more fixing plates mounted in pairs on opposite sides of the beam and fixed along the beam by a friction joint maintained by tightening bolts. Respective Each fixing plate comprises a first surface the extension dimension of which in at least one direction corresponds to a multiple of a beam width and a second surface turned away from the beam. The system is characterised in that Two or more beams are arranged to be joined in perpendicular and/or parallel directions by at least two opposite each other arranged fixing plates. These fixing plates are arranged to bear on each other along respective second surface. The mutual positions of the fixing plates are fixed by locking elements in through recesses in the each other facing second sides of the fixing plates. These locking elements also constitute anchoring of the tightening bolts.